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Item 9

NOTES ON COPPER DEPOSITS AT CONTACT, ELKO CO., NEVADA.

1. The district was examined briefly by two other engineers and myself in 1920. Our conclusions at that time were that one group of properties from which considerable high grade ore was being shipped, held unusual opportunities for the development of a small copper mine, 100 tons per day of four or five percent ore, with possibilities for somewhat larger, though limited, development. The district was, however, 45 miles from a railroad and an operation of this sort under poor transportation conditions was unpromising. This, ~~fact~~ together with the fact that we were at the time interested only in large properties, was the reason for our not giving it the attention it would otherwise have merited.

2. The Southern Pacific Railroad has recently announced that they are to begin construction at once on a standard guage line from Wells, Nevada to Rogerson, Idaho which will pass directly through Contact. (See sketch map). This at once makes the deposit at Contact a very promising one for a successful small or moderate-sized operation, inasmuch as the Utah smelters are brought within easy reach.

3. Geologically the situation is as follows: a large, roughly circular mass of granite (several square miles in extent) intrudes an area of limestone. Numerous copper deposits occur in the limestone near the granite contact. These are of the typical contact-metamorphic variety and are

small and uninteresting. The veins of interest are wholly within the granite though near the limestone border. They stand nearly vertical, are strong and continuous.

4. Production has been of high grade ore (8% Cu or better) which would stand the high haulage cost. I do not know how great this production has been but the total amount must be considerable for a property of the sort. Both oxide and sulphide ores have been shipped; the latter mainly chalcocite. Insufficient depth has been reached to demonstrate conclusively the grade of primary mineralization. I consider, however, that the chances for sulphide ore of good grade in depth are promising.

5. It is not likely that there is much developed ore as past operations have inclined towards gouging out as much high grade as possible for shipment.

6. I do not know whether or not interesting holdings can be obtained on any reasonable terms. It is reasonable to suppose that the owners are alive to the advantages which the new railroad will bring and value their properties accordingly.

7. I believe that the district warrants an early visit with the following objects:

1. To check by further examination our conclusions of two years ago, which were the result of a rather brief visit..

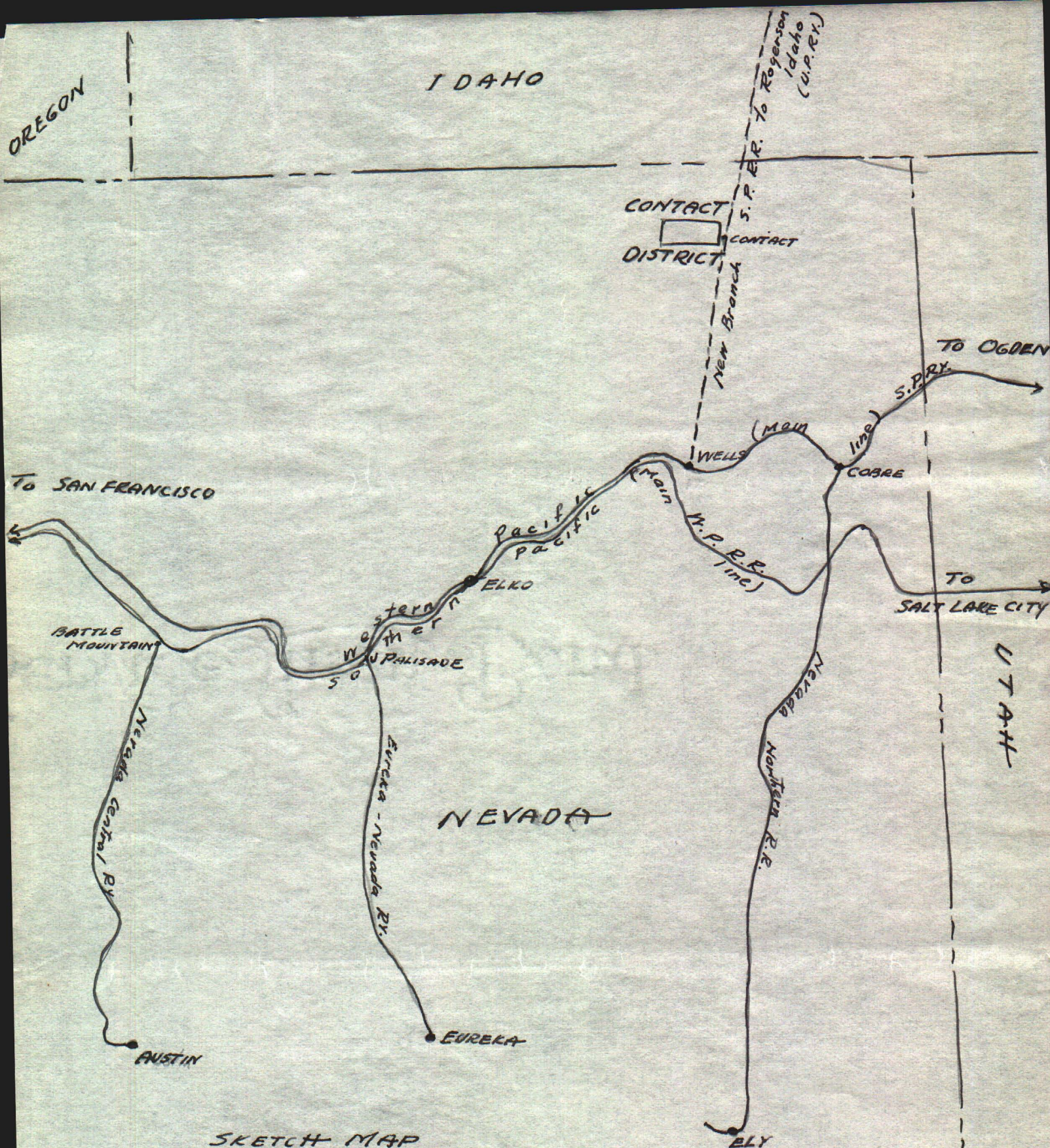
2. To determine which holdings are of particular interest and to investigate their availability for purchase.

It will then be possible to attack the financial situation intelligently and to decide whether or not further action is justified.

8. The cost of a brief examination, allowing two or three days on the ground, will not exceed \$75.00 including travelling expenses. If the trip is made in conjunction with a visit to the fluorite prospect in Mineral County, Nevada, the cost will not exceed \$40.00.

Edward A. Hall

September 1, 1923.



SKETCH MAP
SHOWING LOCATION OF
CONTACT DISTRICT
ELKO CO. NEVADA

Scale: 1 inch = 25 miles

To accompany notes by D.A.H.